

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B04282021-13</b>	
<b>Date:</b> 4/22/2021	<b>Inspected By:</b> Butler	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-018 - SHOAL HARBOUR CNR OVERPASS		
<b>Route:</b>	1	<b>Overall Length:</b>	30 m
<b>Year Built:</b>	1965	<b>Est:</b> No	<b>Overall Width:</b> 14 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 12.6 m
<b>Region:</b>	CENTRAL EAST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	9 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	02 - Highway Railway Separation	<b>Spans:</b>	
<b>Type of Handrail:</b>	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	11
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<b>Span No.:</b>	<b>Length</b>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	Concrete abutments, wing walls and retaining walls. Light to medium cracking throughout. Light scaling throughout. Some small spalled sections. Small washout at abutment two left side.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Medium cracking with efflorescence of soffit. Medium cracking and scaling in fascia.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	P3 - Poor
<b>Hand Rail:</b>	P - Poor	<b>Roadway Condition:</b>	P3 - Poor

**Approach Rail:** P - Poor

**Comments:** Concrete bridge rail and endblocks in poor condition with disintegration and exposed rebar throughout; one section repaired with 150mm pressure treated timber. Concrete curbs in poor condition with disintegration and exposed rebar throughout. Asphalt wearing surface. Approach rail attached to 200mm treated post mounted to end blocks; post is detached at abutment one left side.

**HYDROLOGY**

<b>Water Velocity:</b>	n/a m/s	<b>Ice Problem:</b>	NA - Not Applicable
<b>Water Depth:</b>	n/a m	<b>Scour Problem:</b>	NA - Not Applicable
<b>Waterway:</b>	03 - Not Applicable	<b>Debris Problem:</b>	NA - Not Applicable
<b>Comments:</b>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>			

**OBSERVATIONS**

<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> There is a new structure constructed at this location. This one will be removed once the highway re-alignment is completed			

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

**PHOTO GUIDELINES:**

**Inspection Photos:**

Please provide photos using guidelines below:

- Any item which inspector feels should be documented by photograph
- All items noted above as being B, F, P, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**